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MAY 2 1 2001 TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/673,739

DATE: 01/04/2001 TIME: 08:46:45

Input Set : A:\ES.txt

Output Set: N:\CRF3\01042001\1673739.raw



3 <110> APPLICANT: McCARTHY, Thomas Valentine 3 <110> APPLICANT: MCCARTIL,
4 VAUGHAN, PATRICK MARTIN
6 <120> TITLE OF INVENTION: A METHOD FOR THE CHARACTERISATION OF NUCLFIC ACID MOLECULES IN COMPANY OF PARENTERS UPSTREAM DNA FRAGMENTS RESULTING FROM THE CLEAVAGE OF NUCLEIC ACID AT AN ABASTC SITE 10 <130> FILE REFERENCE: 1377-0156P C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/673,739 13 <141> CURRENT FILING DATE: 2000-10-20 15 <160> NUMBER OF SEQ TD NOS: 32 17 <170> SOFTWARE: PatentIn version 3.0 19 <210> SEQ ID NO: 1 20 <211> LENGTH: 93 21 <212> TYPE: DNA 22 <213> ORGANISM: Homo sapiens 24 <400> SEQUENCE: 1 25 tocaaggaga agctggatgt ggcccccaag cqggatgtgg aqggcatggg cccccctgag 60 27 atcaagtacg gggagtcact gtgcttcgtg cag 93 30 <210> SEQ 1D NO: 2 31 <211> TENGTH: 93 32 <212> TYPE: DNA 33 <213> ORGANISM: Artificial 35 <220> FEATURE: 36 <223> OTHER INFORMATION: DNA generated by PCR amplification and derived from Homo sapiens. 38 <400> SEQUENCE: 2 39 tocaaggaga agotggatgt ggoccocaag cgggaugugg agggcauggg ccccccugag 6.0 41 aucaagnacg gggagucacu gugcuucgug cag 93 44 <210> SEQ 1D NO: 3 45 <211> LENGTH: 93 46 <212> TYPE: DNA 47 <213> ORGANISM: Artificial 49 <220> FEATURE: 50 <223> OTHER INFORMATION: DNA generated by PCR amplification and derived from Homo sapiens. 52 <400> SEQUENCE: 3 53 etgeacquag cacagtgact ceceguacun gaucucaggg gggeceauge ceuceacauc 60 55 cegeungggg gecacaucea geuneuceun yga 93 58 <210> SEQ ID NO: 4 59 <211> LENGTH: 25 60 <212> TYPE: DNA 61 <213> ORGANISM: Artificial 63 <220> FEATURE: 64 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat ed cleavage and has a 3' phosphate group 67 <400> SEQUENCE: 4 68 otgoacgaag cacagtgact coocg 71 <210> SEO ID NO: 5 72 <211> LENGTH: 25

73 <212> TYPE: DNA

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DATE: 01/04/2001 TIME: 08:46:45

Input Set : A:\ES.txt

Output Set: N:\CRF3\01042001\1673739.raw

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74 <213> ORGANISM: Artificial
76 <220> FEATURE:
77 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
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80 <400> SEQUENCE: 5
81 etgcacgaag cacagtgact coccg
                                                                         25
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 93
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial
89 <220> FEATURE:
90 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
        ed cleavage followed by extension of upstream fragmen
93 <400> SEQUENCE: 6
                                                                                         RECEIVED
94 ctgcacgaag cacagtgact ccccglactt galctcaggg gggcccatgc cctccacatc
                                                                         60
                                                                         93
96 ccgcttgggg gccacatcca gcttctcctt gga
99 <210> SEQ ID NO: 7
                                                                                             MAY 2 1 2001
100 <211> LENGTH: 273
101 <21,2> TYPE: DNA
102 <213> ORGANISM: Homo sapiens
                                                                                      TECH CENTER 1600/2900
104 <400> SEQUENCE: 7
105 tecaaggaga agetggatgt ggeececaag egggatgtgg agggeatggg eeecectgag
107 atcaagtacg gggagtcact gtgcttcgtg cagcatgtgg cctcaggact gtggctcacc
                                                                         1.20
109 tatgccgctc cagaccccaa ggccctgcgg ctcggcgtgc tcaagaagaa ggccatgctg
                                                                         180
111 caccaggagg gocacatgga cgacgeactg tegetgacce getgecagea ggaggagtee
                                                                         240
113 caggeegeec geatgateea cageaceaat gge
                                                                         273
116 <210> SEQ TD NO: 8
117 <211> LENGTH: 273
118 <212> TYPE: DNA
119 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 8
122 tecaaqqaga agetgqatgt qqeeeccaag eggqatgtyg agggeatggq eecceetgag
124 atchagtaca gggagtcact gtgcttcgtg cagcatgtgg cctcaggact gtgqctcacc
126 tatgeogete cagaccecaa ggccetgegg eteggegtge teaagaagaa ggccatgetg
                                                                         180
128 caccaggagg gccacatgga cgacgcactg tegetgacce gctgccagca ggaggagtec
                                                                         240
130 caggoogooc goatgateca cagcaccaat ggo
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 196
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial
138 <220> FEATURE:
139 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosvlase mediat
         ed cleavage and upstream fragment extension, and has a 3' hydroge
141
          n at:om
143 <220> FEATURE:
144 <221> NAME/KEY: modified_base
145 <222> LOCATION: (196)..(196)
146 < 223 > OTHER INFORMATION: mod_base = Dideoxy T
149 <400> SEQUENCE: 9
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PATENT APPLICATION: US/09/673,739
                                                        TIME: 08:46:45
                Input Set : A:\ES.txt
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150 gecattygty etgtggatea tgegggegge etgggaetee teetgetgge agegggteag
152 egacagigeg tegiceatgi ggeeclecig gigeageatg geetlettet igageaegee
                                                                          120
154 gagccycagg geettggggt etggagegge ataggtgage caeagteetg aggeeacatg
                                                                          180
                                                                         196
156 ctgcacqaag cacagt
159 <210> SEQ ID NO: 10
160 <211> LENGTH: 200
161 <212> TYPE: DNA
162 <213> ORGANTSM: Artificial
164 <220> FEATURE:
165 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
          ed cleavage followed by upstream fragment extension, and has a 3
167
          hydrogen atom
                                                                                            RECEIVED
169 <220> FEATURE:
170 <221> NAME/KEY: modified_base
171 <222> LOCATION: (200)..(200)
172 <223> OTHER INFORMATION: mod_base = dideoxy T
                                                                                                MAY 2 1 2001
175 <400> SEQUENCE: 10
176 gecattgglg etgtggatea tgegggegge etgggaetee teetgetgge agegggteag
                                                                           60
178 cgacagtycg togtocatgt ggoodtoctg gtgcagcatg gcottottot tgagcacgco
                                                                          1.20
                                                                                          TECH CENTER 1800/28
180 yaqooqoaqg qoottigaggit otggagoggo ataggityago cacagitootg aggocacatg
                                                                          180
182 ctgcacgaag cacagtgact
                                                                          200
1.85 <21.0> SEQ ID NO: 11
186 <211> LENGTH: 204
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial
190 <220> FEATURE:
191 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
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1.93
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195 <220> FEATURE:
196 <221> NAME/KEY: modified_base
197 <222> LOCATION: (204)..(204)
198 <223> OTHER INFORMATION: mod_base = Dideoxy T
201 <400> SEQUENCE: 11
202 geoattiggtig etgitggatoa tigegggegge otggggaetee Leetgetigge agegggteag
204 cgacagtgcg tegtecatgt ggeeeteetg gtgcageatg geettettet tgageaegee
                                                                         1.20
206 gageegeagg geettggggt etggagegge ataggtgage cacagteetg aggeeacatg
                                                                          180
208 etgeacgaag cacagtgact cect
                                                                         204
211 <210> SEQ ID NO: 12
212 <211> LENGTH: 206
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial
216 <220> FEATURE:
217 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
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219
          hydrogen atom
221 <220> FEATURE:
222 <221> NAME/KEY: modified_base
223 <222> LOCATION: (206)..(206)
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DATE: 01/04/2001

RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/673,739
                                                        TIME: 08:46:45
                Input Set : A:\ES.txt
                Output Set: N:\CRF3\01042001\1673739.raw
224 <223> OTHER INFORMATION: mod_base = Dideoxy T
227 <400> SEQUENCE: 12
228 gocattgqtg ciqtqqatca tgcqqqcqqc ctqqqactcc tcctqctqqc agcqqtcaq
                                                                          60
230 cgacagtgcg tegtecatgt ggeoctecty gtgeageatg geettettet tgageaegee
                                                                         120
232 gagocycagg goottygggt otggagogo ataggtgago cacagtooty aggocacatg
                                                                         180
234 ctgcacgaag cacagtgact ccccgt
                                                                         206
237 <210> SEQ 1D NO: 13
238 <211> LENGTH: 209
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial
242 <220> FEATURE:
243 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
244
          ed cleavage followed by upstream fragment extension, and has a 3'
245
          hydrogen atom
247 <220> FEATURE:
                                                                                         RECEIVED
248 <221> NAME/KEY: modified_base
249 <222> LOCATION: (209)..(209)
250 <223> OTHER INFORMATION: mod_base = Dideoxy T
                                                                                            IMAY 2 1 2001
253 <400> SEQUENCE: 13
254 gocattygty clytogatea tycygycyge clygyaetec tectyclyge agegyteau
                                                                          60
256 egacaginged testcoatest agreecteding states and goottestest transcated
                                                                         120
                                                                                      THEOH CHWITHR 1800/2900
258 gageegeagg geethggggt enggagege ataggtgage caeagteetg aggeeacatg
                                                                         180
260 ctgcacgaag cacagtgact ccccgtact
263 <210> SEQ ID NO: 14
264 <211> LENGTH: 204
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial
268 <220> FEATURE:
269 <223> OTHER INFORMATION: DNA derived from Homo sapiens and generated by glycosylase mediat
270
          ed cleavage followed by upstream fragment extension, and has a 3'
271
          hydrogen atom
273 <220> FEATURE:
274 <221> NAME/KEY: modified_base;
275 <222> LOCATION: (204)..(204)
276 <223> OTHER INFORMATION: mod_base = Dideoxy C
279 <400> SEQUENCE: 14
280 gecattggtg ctgtggatca tgegggegge etgggactee teetgetgge agegggteag
                                                                          60
282 cyacagtycg tegtccatgt ggccclcctg gtycagcatg gccttcttct tgageacgcc
                                                                         120
284 gagecgeagg geettggggt etggagegge ataggtgage caeagteetg aggeeacatg
                                                                         180
286 ctgcacgaag cacagtgact cccc
                                                                         204
289 <210> SEQ ID NO: 15
290 <211> LENGTH: 54
291 <212> TYPE: DNA
292 <213> ORGANISM: Homo sapiens
294 <400> SEQUENCE: 15
295 aacttgtqqt agttggagct ggtggcgtag gcaagagtgc cttgacgata cagc
298 <210> SEQ ID NO: 16
299 <211> LENGTH: 54
300 <212> TYPE: DNA
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DATE: 01/04/2001

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Input Set : A:\ES.txt

Output Set: N:\CRF3\01042001\1673739.raw

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301 <213> ORGANISM: Homo sapiens
303 <220> FEATURE:
304 <221> NAME/KEY: misc_feature
305 <222> LOCATION: (1)..(54)
306 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
309 <400> SEQUENCE: 16
310 aactigiggt agtiggaget gguggequag geaagaguge euugaegaua eage
313 <210> SEQ ID NO: 17
314 <211> LENGTH: 54
315 <212> TYPE: DNA
316 <213> ORGANISM: Homo sapiens
318 <220> FEATURE:
319 <221> NAME/KEY: misc_feature
320 <222> LOCATION: (1)..(54)
321 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
                                                                                           RECEIVED
324 <400> SEQUENCE: 17
325 getgtategt caaggeacte ttgcctacge caccageuce aacuaceaca aguu
328 <210> SEQ ID NO: 18
329 <211> LENGTH: 54
330 <212> TYPE: DNA
331 <213> ORGANTSM: Homo sapiens
333 <220> FEATURE:
                                                                                         TECH CENTER 1600/2900
334 <221> NAME/KEY: misc_feature
335 <222> LOCATION: (1)..(54)
336 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
339 <400> SEQUENCE: 18
340 aacttgtggt agttggaget gauggeguag geaagaguge euugaegaua eage
343 <210> SEQ ID NO: 19
344 <211> LENGTH: 54
345 <212> TYPE: DNA
346 <213> ORGANISM: Homo sapiens
348 <220> FEATURE:
349 <221> NAME/KEY: misc_feature
350 <222> LOCATION: (1)..(54)
351 <223> OTHER INFORMATION: Generated by PCR amplification of genomic DNA
354 <400> SEQUENCE: 19
355 getgtategt caaggeacte ttgcetaege cancageuce aacuaceaca aguu
358 <210> SEO ID NO: 20
359 <211> LENGTH: 37
360 <212> TYPE: DNA
361 <213> ORGANISM: Homo sapiens
363 <220> FEATURE:
364 < 221 > NAME/KEY: misc_feature
365 <222> LOCATION: (1)..(37)
366 <223> OTHER INFORMATION: generated by glycosylase mediated cleavage of PCR amplified DNA
369 <400> SEQUENCE: 20
370 getgtategt caaggeacte ttgeetaege caccage
373 <210> SEO ID NO: 21
374 <211> LENGTH: 32
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/673,739

DATE: 01/04/2001 TIME: 08:46:47

Input. Set : A:\ES.txt
Output Set: N:\CRF3\01042001\1673739.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

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